

ABSTRACT OF THE DISCLOSURE

An axial-flow fan with double impellers is provided that can produce a larger amount of air and a higher static pressure than can be achieved with conventional fans. The axial-flow fan with double impellers has a first axial-flow fan unit 1 and a second axial-flow fan unit 3. The first axial-flow fan unit 1 comprises a first case 5, a first impeller 7 and a plurality of webs that fix a first motor to the first case 5. The second axial-flow fan unit 3 comprises a second case, a second impeller and a plurality of webs that fix a second motor to the second case. The first case and the second case are coupled together to form a housing 59. The webs of the first axial-flow fan unit 1 and the webs of the second axial-flow fan unit 3 are combined together to form a plurality of stationary webs arranged in the housing 59. The number of front blades 28 provided at the first impeller 7 is set to five, the number of stationary blades is set to three, and the number of rear blades 51 provided at the second impeller 35 is set to four.